

COURSE IN

Experimental Design and analysis of data for research with animals

4-6 DECEMBER 2019 i3S, INSTITUTO DE INVESTIGAÇÃO E INOVAÇÃO EM SAÚDE

CONTENTS:

- Planning for reproducibility in animal research
- The 3Rs in an experimental programme
- Formulating objectives and testing hypotheses
- Basic design considerations and types of design
- Avoidance of bias (randomization, blind assessment, adequate controls)
- Independent replication and experimental units
- Estimating sample size
- Basic concepts in probability and statistics
- Single and two factor analysis of variance
- Analysis of covariance
- Data transformations and non-parametric methods
- Multivariate analysis of variance

ORGANIZATION: Nuno Franco, i3S

LECTURERS:

Derek Fry, The University of Manchester Pedro Oliveira, ICBAS Nuno Franco, i3S

LIMITED NUMBER OF PARTICIPANTS: 20

ADVANCED TRAINING UNIT

REGISTRATION & MORE INFORMATION:



INSTITUTO DE INVESTIGAÇÃO E INOVAÇÃO EM SAÚDE UNIVERSIDADE DO PORTO